

## SOCKETS FOR MODULE EXTENSION AND MEMORY SYSTEM USING SAME

### ABSTRACT

A through socket includes a socket body, which can load the plurality of  
5 memory modules, and a plurality of internally connected socket conductors arranged  
to electrically connect the memory modules when loaded. A turn around socket  
includes a socket body for loading at least one memory module and connecting a  
contact of one surface of a loaded memory module to a contact of the other surface.  
Using at least one through socket and at least one turn around socket, the memory  
10 system can extend a plurality of memory modules on a printed circuit board (PCB).  
A memory module adapted for use in the memory system has four contacts arranged  
at both ends and on both surfaces.

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